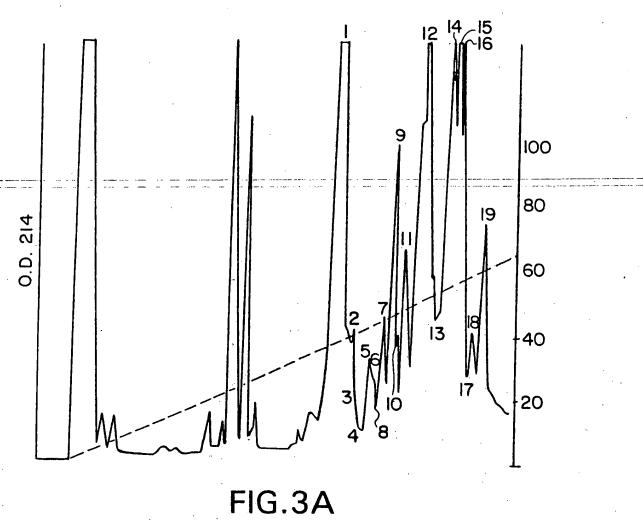


FIG.2



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FIG.3B

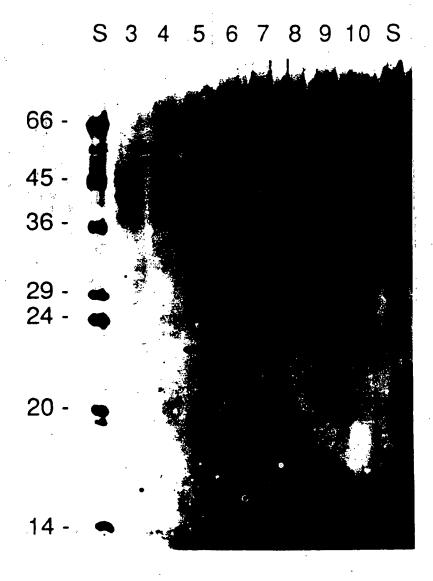
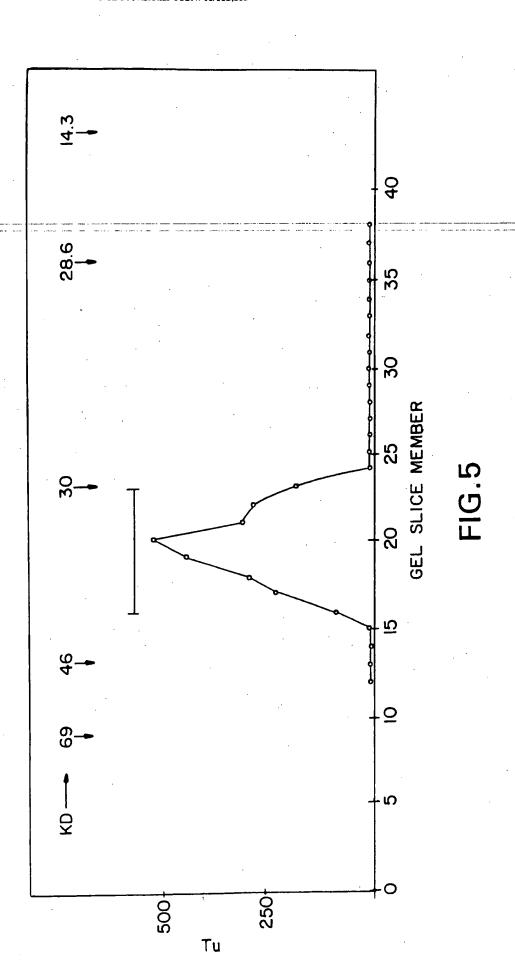


FIG.4



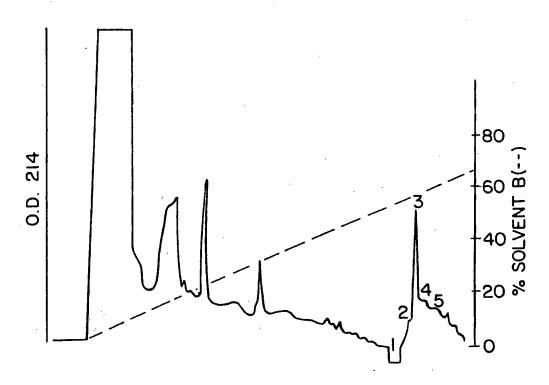


FIG.6A

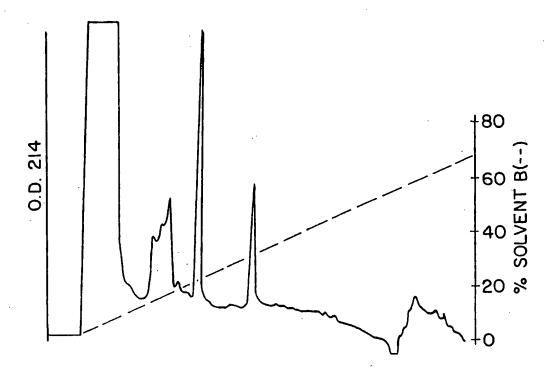


FIG.6B

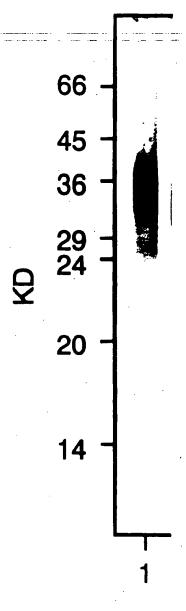
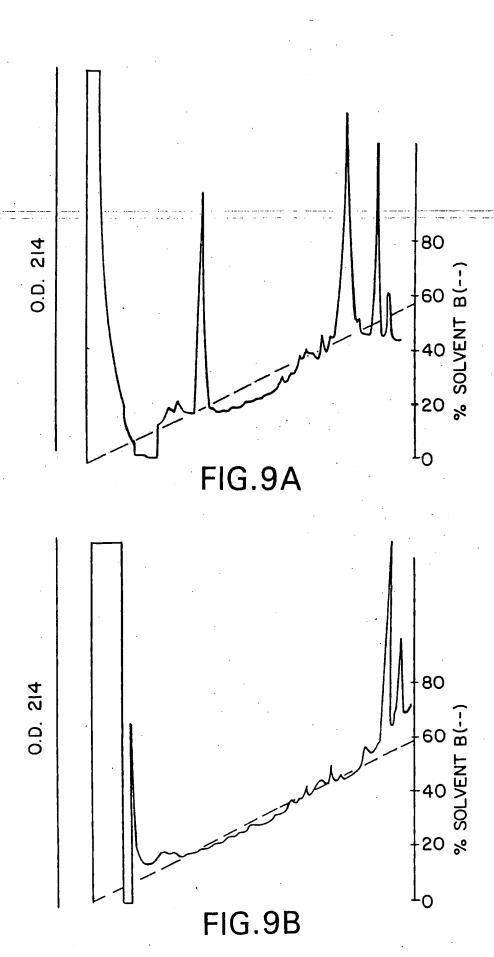


FIG.7

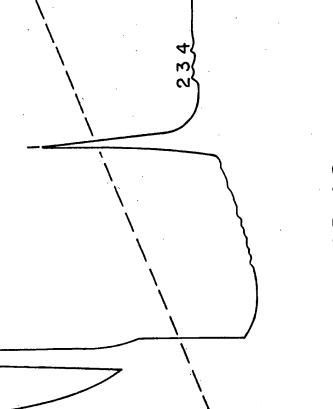
FIG.8

(Arg) -Asn-()*-Gln-Ala-Ala-Ala-Ala-(Ser)-Pro-(Asp)-(Asn) (Ser)-Pro-Asp-Lys-Gln-Ala-Ala-Ala-Leu-Pro-Arg-Arg-Glu-

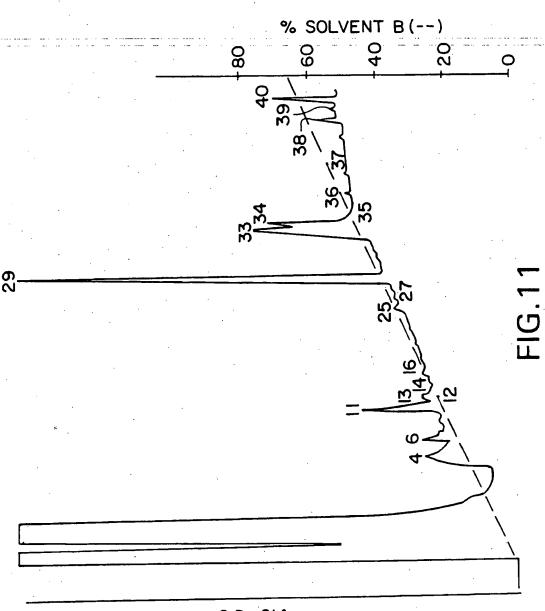


% SOLVENT B(--)

- 60



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O.D. 214

Asp-(Lys/Gln)-Ile-Leu-Lys-Asn-Leu-(Gly)*-(Arg)-(Val)(Arg)-(Arg)-(Arg)-(Arg)-(Arg)-Leu

| 34 200 ≤ | | | | 250 TIT | | |
|-----------------------|-----------|-----------------|----------|------------|----------|----------|
| DOC V | PE > | GAA | ACC | GAT | GCG A | AAT |
| SCC A | | | | ATG | | |
| GGT | | | | GIC | | CCA |
| CGA C | GTC V | AGG R | TTC | GAC | AAA K | AGC |
| ATTC (| GCT | AAG K | 200 P | GAT | | |
| 200 _W | | G G | | TTT | CCA P | |
| GAC | | 900 P | | | | 1 |
| G GA | | 555 P | | GAC | AGG R | A GCT |
| TAC (| TIGG ▼ | CTG | | CCT P | AAA | CAA |
| 121 | TTA | 55 P | ဗ္ဗဗ္ဗ | TAT | CTG | CGG |
| 1 GGGG G | AAG K | | CIC | GAT | AGA | AAC |
| IC. G | ATG M | GCC | TCC | GAA | AAA K | AGG R |
| CCCCCGGGCT GCAGGAATTC | AAG | I'CT S | CAC | CCC P | ATC | GAG |
| 3CAG | TCT | <u>GCG</u> A | GAC | | ACC T | AGA R |
| 3CI (| GAC D | ACC | GAA | AAT N | A GCC | CGA |
| නිවාට | CGG R | CAC H | A GCC | TCC | CAA | CCT |
| 000 | GGA | CTC | 200 P | GAC | ATT | CIT |

| 466 GAA E | 520 GAC D | 574 660 6 | 628 GAC D | 682 ATC I | \$ 2 |
|----------------------------|--|--|---|--|---|
| GAG E | TAC | GTA | GAC | C. C. | 745 SACCAA |
| AAG K | ATTG M | AAG K | L | 6 6 6 | AAGGC |
| ACC T | ACA | GAC | TTT | TGT C | AGA 1 |
| <u>Gāā</u> E | GAG | AGT | TCG S | CGG | SCGAI |
| <u>TAC</u> Y | GCC A | ACA | 다 다 1 | AAA K | AGTO |
| <u>355</u> | GCG A | CTA | GAC | A A | TAC |
| TTG | GAA | AGG R | GAC | ICC S | 745 CCCTGGCTCC AGAGACTGCT GTGTATTGCA TTCCTGCTAC AGTGCGAAGA AAGGGACCAA |
| GGT G | TGT | AGA R | GAC | CAT H | 1 TTC |
| $rac{	ext{TTG}}{	ext{L}}$ | TCC | AGT S | LIC | AAG K | TGC? |
| GAC D | GGT | CGA R | GCC | AGA R | IGTAI |
| ACT | AGC | TCT | GTC V | CTA | চ চ |
| GTTC | TGT | CTG L | <u> </u> | ATC I | ACTG |
| AAT N | TAT | <u>AAT</u> N | AGG R | <u>CAT</u> H | AGAG |
| TTA | CGA | AAA K | 77 <u>6</u> 0 | TAC | ICC ! |
| CAC H | TYY | CTA | TGT C | GTT V | IGGC |
| ATA I | | | GCA | CTG | |
| A A | CTG | AAA | CAG | AGC S | TGA |
| | GGT TTG GGC TAC GAA ACC AAG G L G Y E T K | ATA CAC TTA AAT GTC ACT GAC TTG GGT TTG GGC TAC GAA ACC AAG GAG I H L N V T D L G L G Y E T K E ATC TTT CGA TAT TGT AGC GGT TCC TGT GAA GCG GCC GAG ACA ATG TAC I F R Y C S G S C E A A E T M Y | ATA CAC TTA AAT GTC ACT GAC TTG GGT TTG GGC TAC GAA ACC AAG GAG I H L N V T D L G L G Y E T K E ATC TTT CGA TAT TGT AGC GGT TCT TGT TGT TGT TAT ATC ATC TAT ATC ATC | ATA CAC TTA AAT GTC ACT GAC TTG GGT TTG GGC TAC GAA ACC AAG GAG I H L N V T D L G L G Y E T K E ATC TTT CGA TAT TGT AGC GGT TCC TGT GAA GCG GCC GAG ACA ATG TAC I F R Y C S G S C E A A E T M Y ATA CTA AAA AAT CTG TCT CGA AGT AGG CTA ACG GAC AAG GTA I L K N L S R S R R L T S D K V GCA TGT TGC AGG CCG GTC GCC TTC GAC GAC TTT TTA GAC A C C R P V A F D D D D L S F L D | ATR CAC TTA GAC TTG GGT TTG GGC TTG GGC TAC GAA AGC AAG GAG GAG GAG GAG GAG GAG GAG TTG TTG |

815 GGTTCCCAGG AAATATTTGC CCAGAAAGGA AGATAAGGAC CAAGAAGGCA GAGGCAGAGG CGGAAGAAGA

875 AGAAGAAAAG AAGGACGAAG GCAGCCATCT GTGGGAGCCT GTAGAAGGAG GCCCAGCTAC AG

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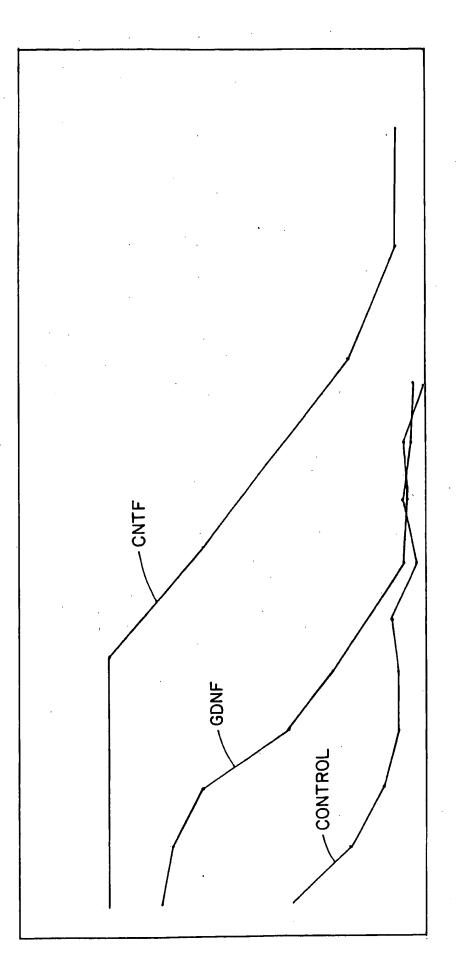
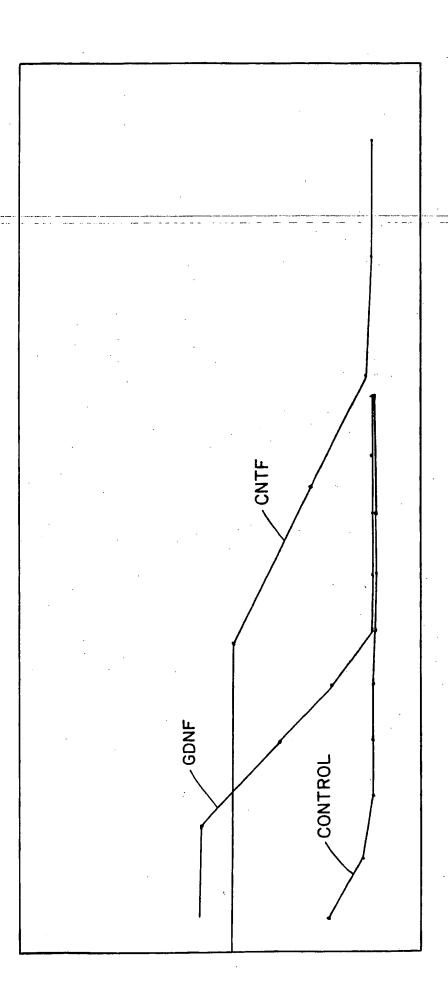


FIG. 15



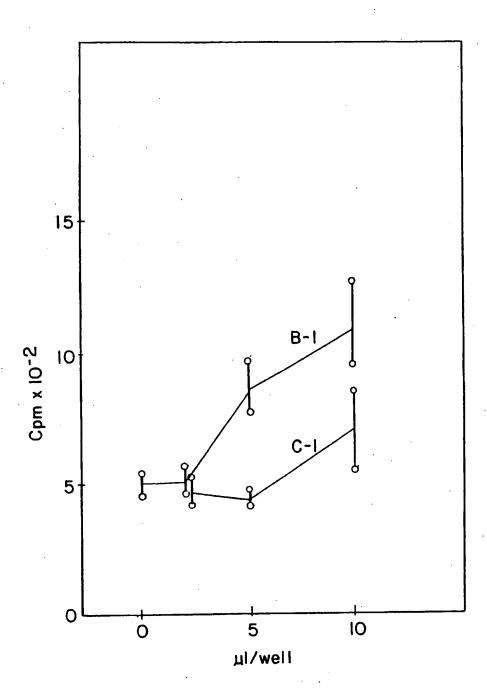
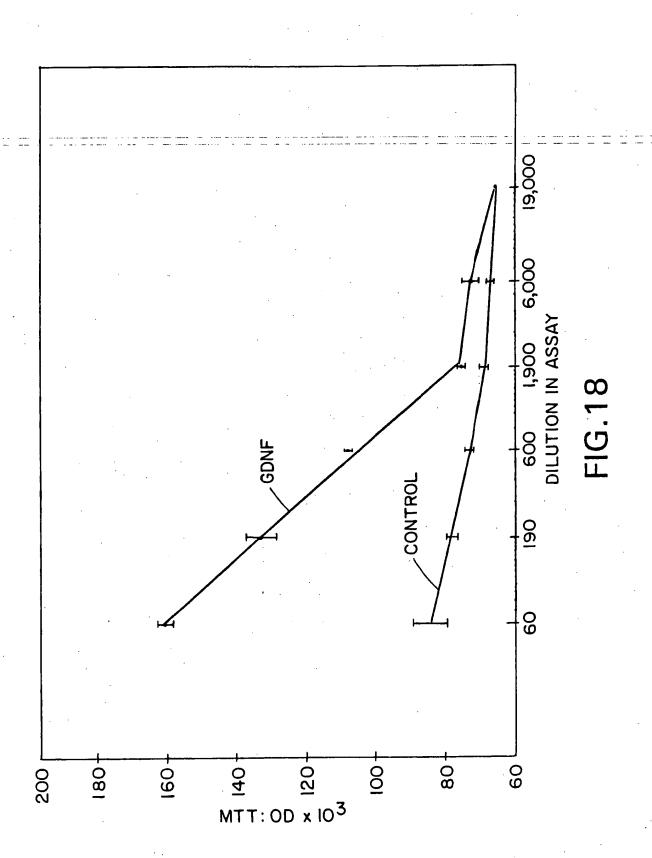


FIG.17



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|-------------|----------------------------|------------|-----------------------|---|----------------------------------|----------------------------|----------------------------------|
| 68 | ATG | 131 CIT | 194 GGT G | 257 ACT T | 320 TGC | 383 GTG V | 446 TTA |
| | orc V | original v | A AA | GTC | S | L CI | TTTT |
| | GAT | 18 × | GGA | AAT | ည် တ | AGG R | TCG |
| | GAT | ATG | AGA R | TTA | S | AGA R | CHG |
| | TTC | CAA | S | CAT | | AAT | GAC |
| | CAG | AAA K | AAT | ATA | TAC TGC | AGA R | GAT GAC D D |
| | GAT | GAT | B SAG | GCA | AGG R | TCC | SAT |
| | CCT | CCA P | P P I | ACT | TIT | TTA | ATC GCC TIT (|
| | $\frac{\overline{TAT}}{Y}$ | TCA | AAC | TTA | ATT | AAC | 200 A |
| | GAT | AGG R | 9 GCC | GTC | L CITG | AAA | ATC |
| - | GAG | AAA K | GCT | TGT | GAA | TTG | CCC |
| - - - | CCA P | CTG | GCA A | GGT | GAG | ATA | AGA R |
| - | ATG M | AGA R | A A | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | AAG K | AAA | 13G C |
| | AAT | AAA | CAG | AAC | P PC | GAC | rgi o |
| | S P | ATT |))))) | K AAA | GAA | TAC | A GCA |
| | acag | ACC | AAT | ည္တ ၅ | TAT | ACG | CAG |
| | ttgaë | GCC | 200 R R | AGG R | 125 25 | ACA | 188 8 |
| | sttt(| ATT CAA C | GAG | GGC CAG AGG G Q R | CIG | GAG | GTA |
| | ttt | ATT | AGA | ည္တ ဗ | GGT | GCT | AAA K |
| | tctc | TITI F | AGA AGA GAG C | AGA R | GAC TTG GGT CTG GGC D L G L G | GCA GCT GAG ACA A A E T | AGT GAC AAA GTA GGG S D K V G |
| | attttctcttttttgaacag CA | GAT | D ^d | SS | GAC | GAT | AGT |
| | | | | | - | | • |

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GAT GAT AAC CTG GTT TAC CAT ATT CTA AGA AAG CAT TCC GCT D D N L V Y H I L R K H S A

AAA AGG TGT GGA TGT ATC TGA K R C G C I

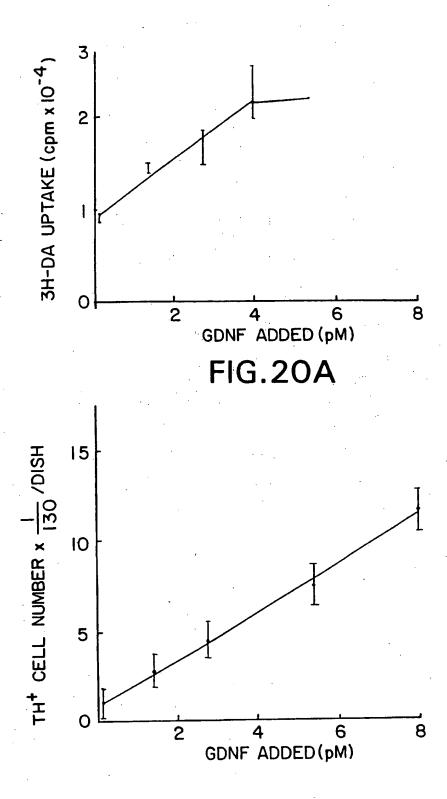


FIG.20B

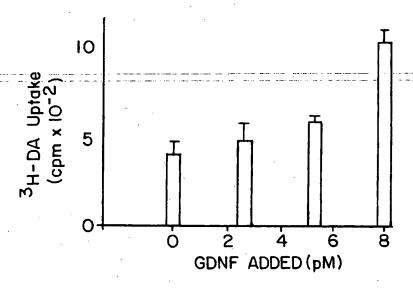


FIG.21A

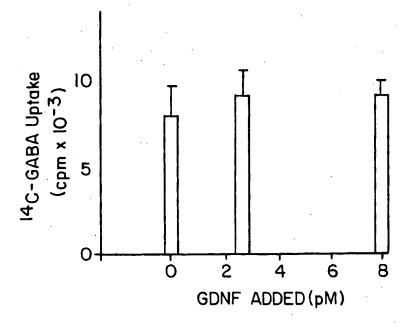


FIG.21B

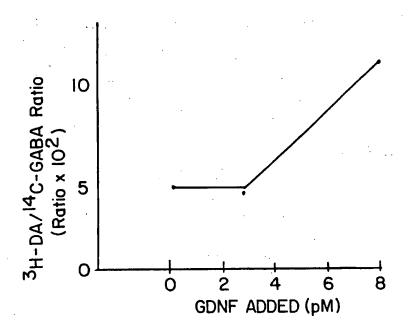


FIG.21C

FIG.22

| | | | | | | ttat | ctaa | CCCA | ttetetececacetecegeetgeeegegea | ccdc | ctgc | သည်သ | | gGT | ည္သ | gcc | GCC |
|-----|---------|-----------|-----|--------|-----|------|------|------|--------------------------------|------|------|------|-----|----------|----------|-----|-----|
| | | | | | | | | | | | | | | ტ | 4 | Ø | Ø |
| | | | | | | ٠ | | | | | | | | | | | 97 |
| GGA | CGG | GAC | TTT | AAG | ATG | AAG | TTA | TGG | GAT | GTC | GTG | GCT | GTC | TGC | CTG | GTG | CTG |
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| | | | | | * | | | • | | | | | | | * | | |
| | ٠ | | | | | | | | | | | | | | | | 151 |
| CTC | CAC | ACC | GCG | TCC | 900 | TTC | CCG | CTG | 200 | ည | GGT | AAG | AGG | CCT | ည္ပ | GAG | 908 |
| J | Ħ | ۲ | Æ | ഗ | ď | Ĺī. | Д | ப | Д | 4 | U | × | 8 | <u>م</u> | Д | 团 | A |
| | | | | | | | | | , | | | • | | | | | 205 |
| ည္ဟ | ပ္ပိပ္ပ | GAA | GAC | CGC | TCC | CTC | 999 | CGC | CGC | CGC | gcg | 222 | TTC | 909 | CTG | AGC | AGT |
| വ | A | ம் | Ω | 2 | S | i i | Ů | ద | 24 | 24 | A | ρı | ſτι | 4 | ⊢ | ဟ | ഗ |
| | | | | | 223 | | | | | | ٠. | | | | | | |
| GAC | Tgt | Tgtaagaac | | cgttcc | | | | | | | | | | | | | |
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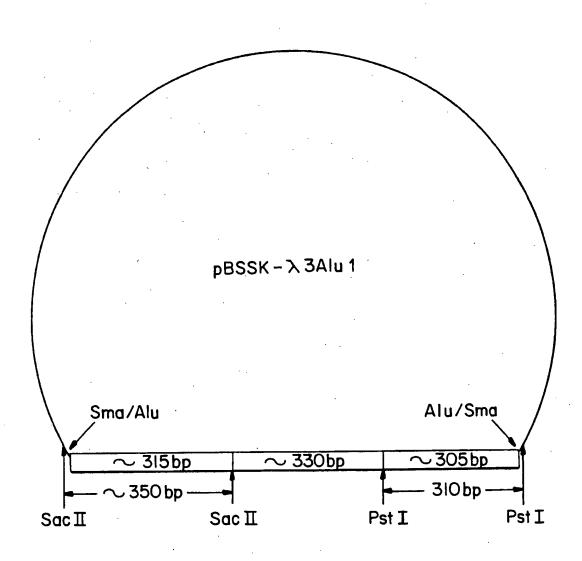


FIG.23

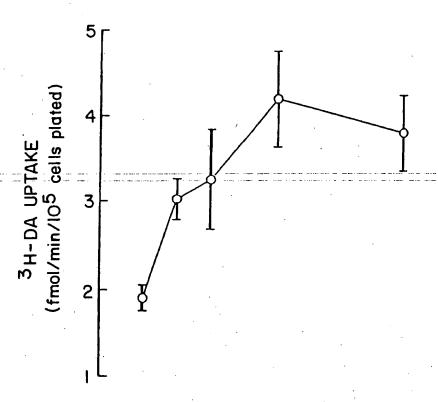


FIG.24A

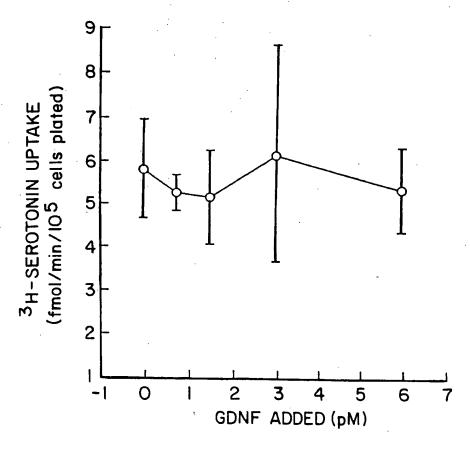


FIG.24B

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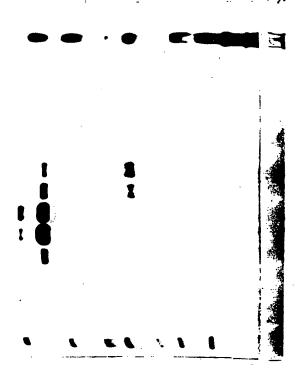


FIG.25

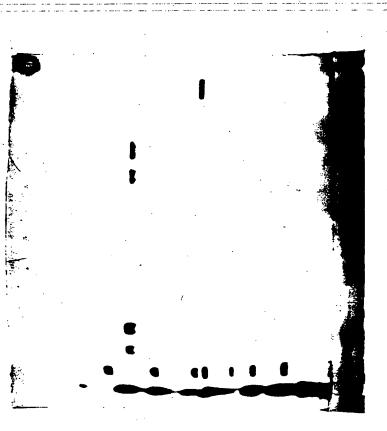


FIG.26

